Index of Claims

| Applic | ation/Co | ontrol No. |
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10/500,161

10/500,16 Examiner

Kuo-Liang Peng

Applicant(s)/Patent under Reexamination

MATSUNAGA ET AL.

Art Unit

1712

√ Rejected
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\_\_ (Through numeral) Cancelled

Restricted

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| Cla  | aim      |          |          |  | 1  | Date     | е        |              |                |          |      | Cla   | aim      |          |          |        | Dat          | <u>—</u>   |                 |          | 1[   | Cla   | aim      |               |          |        | Dat     | е            |                 |                      | ٦        |
|--|----------|----------|----------|--|--|----------|----------|--------------|----------------|----------|------|-------|----------|----------|----------|--------|--------------|--|-----------------|----------|--|-------|----------|---------------|----------|--------|---------|--------------|-----------------|----------------------|----------|
|  |          |          |          |  |  |          |          | Г            | $\Box$         |          |      |       |          |          | T        | Т      | T            |  |                 | T        |  |       |          | $\neg \top$   | T        | $\top$ | T       |              | ПП              | $\top$               | ╗        |
| ल  | l ä.     | 9        |          |  |  |          |          | l            | H              |          |      | व     | ina      |          |          |        |              |  |                 |          | ]  | ন্ত   | na       |               | ŀ        |        |         |              | 1               |                      |          |
| Final  | Original | 1/12/07  |          |  |  |          |          | l            |                |          |      | Final | Original |          |          |        |              | İΙ   |                 | ı        |  | Final | Original |               |          |        |         |              | 1 1             | ı                    |          |
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|  | 4        | $\vdash$ |          |  | $\vdash$   |          | Н        | <del> </del> | ╁              |          |      |       | 51       | $\vdash$ | $\dashv$ | ╅      | +-           | H  | +               | +-       | 1  |       | 101      | -             |          | +      | +-      | ┢            | H               | $\dashv$             | $\dashv$ |
| <u> </u>   | 4        | -        | H        | _  | ┢  | -        | -        | ├            | ╂╌┨            |          |      |       | 52       | $\vdash$ | -        |        | +            | $\vdash$   | -               |          | 1  |       |          |               | +        | +      | +-      | -            | H               | +                    | $\dashv$ |
| $\vdash$   |          | ⊢        | -        | _  | -  | -        | -        | ┝            | +              |          |      |       |          |          |          | - -    | ╀            | $\vdash$   | +               | -        | ł i  |       | 102      | $\dashv$      | +        | +      | +-      | ╁            | $\vdash$        |                      | -        |
| $\vdash$   | 3        | ⊢        | Н        | _  | <del> </del>                                     | _        | _        | ⊢            | $\vdash$       |          |      |       | 53       | $\vdash$ |          |        | ┼            | Н  | _               | -        |  |       | 103      | $\dashv$      | +        | +      | -       | _            | Н               | $\dashv$             | -        |
| <u> </u>   | 4        |          | -        |  | -  |          | -        | <del> </del> | -              |          |      |       | 54       | -        |          | -      | ┼            | $\sqcup$   | $\dashv$        | -        |  |       | 104      | $\rightarrow$ | _        | +      | 1       | ┞            | H               | $\dashv$             | -        |
| <u> </u>   | 5        | <u> </u> | <u> </u> |  |  |          | _        | ļ_           | -              | _        |      |       | 55       | $\sqcup$ | 4        | - -    | ↓            |  | _               |          |  |       | 105      | $\rightarrow$ |          | _      |         | <u> </u>     | $\sqcup$        | -                    | 4        |
|  | 6        | <u> </u> |          | _  | $\vdash$   | _        | Ш        | ╙            | $\vdash$       | _        |      |       | 56       | $\vdash$ | _        | _      | ↓            | $\sqcup$   |                 | <u> </u> | l  |       | 106      | _             | _        |        | 4       | L            | $\sqcup$        | _                    | _        |
|  | 1        |          |          |  | _  |          | Ш        | <u> </u>     | 11             | _        |      |       | 57       |          |          | $\bot$ |              |  |                 |          |  |       | 107      |               |          |        | 1       |              |                 |                      |          |
|  | -8       |          |          |  |  |          |          | L            |                |          |      |       | 58       |          |          |        |              |  |                 |          | J  |       | 108      |               |          |        |         |              |                 | 丄                    | ╝        |
|  | 9        |          |          |  |  |          |          | _            |                |          |      |       | 59       |          |          |        |              |  |                 |          | ][   |       | 109      |               |          |        |         |              |                 |                      |          |
|  | 10       |          |          |  |  |          |          |              |                |          |      |       | 60       |          |          |        |              |  |                 |          | 1  |       | 110      |               |          | Т      | -       |              | $\sqcap$        | $\neg$               |          |
|  | 1/1      |          |          |  |  |          |          |              |                |          |      |       | 61       |          | П        | Т      |              |  |                 |          |  |       | 111      |               | T        | 7      |         | Г            |                 | $\neg$               | $\neg$   |
|  | 12       |          |          |  |  |          |          | <u> </u>     |                |          |      |       | 62       |          | T        | T      |              |  | $\neg$          |          |  |       | 112      |               |          | $\neg$ |         | Γ            | П               | $\neg$               | $\neg$   |
|  | 13       | Г        | П        |  | П  | П        | П        | Г            | $\Box$         |          |      |       | 63       |          |          | $\top$ | ļ            | $\Box$   | $\neg \uparrow$ | $\top$   |  |       | 113      | _             | $\dashv$ | $\top$ | $\top$  | T            | П               | $\dashv$             | $\dashv$ |
|  | 14       |          | П        |  | $\vdash$   |          |          | $\vdash$     |                | $\dashv$ |      |       | 64       | $\vdash$ | 寸        | +      | t            | 1  | _               | $\top$   |  |       | 114      | $\dashv$      | +        | $\top$ | +       | 1            | 1-1             | -                    | $\dashv$ |
|  | 16       | Ι        | П        | _  | Т  |          | Н        | Н            | +              | <b>-</b> |      |       | 65       | -        | 十        | +      | +            |  | +               | +        |  |       | 115      | $\dashv$      | $\dashv$ | +      | +       | 1-           | $\vdash$        | $\dashv$             | $\dashv$ |
|  | 16       | 1        | $\vdash$ |  | $\vdash$   |          | Н        | $\vdash$     | +              | -        |      |       | 66       |          | +        | +      | +            |  | $\dashv$        | +        | <b>       </b>                               |       | 116      | $\dashv$      | +        | +      | +-      | 1            | $\vdash$        | $\dashv$             | $\dashv$ |
| <u> </u>   | 17       | 1        | $\vdash$ | $\vdash$                                     | 1  | $\vdash$ | $\vdash$ | $\vdash$     | +              | $\dashv$ |      |       | 67       | -        | +        | +      | +            | $\vdash$   | +               | +        | <b>                                     </b> |       | 117      | $\dashv$      | +        | +      | +       | $\vdash$     | $\vdash$        | +                    | $\dashv$ |
| <u> </u>   | 1ß       | ۲        | -        | -  | $\vdash$   | $\vdash$ | $\vdash$ | -            | +              | -        |      |       | 68       |          | +        | +      | ┼┈           | $\vdash$   | +               | +        | {  |       | 118      | +             | +        | +      | +       | ⊢            | $\vdash$        | +                    | $\dashv$ |
| <u> </u>   | 18       | -        | ┢        | -  | -  | H        | $\vdash$ | ⊢            | +              |          |      |       |          | $\vdash$ |          |        | ┼            |  | +               | +        |  |       |          |               | -        | +      | +       | ├-           | $\vdash$        | +                    | $\dashv$ |
| <u> </u>   | 19       | _        | Ŀ        |  | -  | ⊢        | Н        | ⊢            | -              |          |      |       | 69       | $\vdash$ |          | - -    | -            |  | $\dashv$        |          |  |       | 119      |               |          | +      | +       | ┡            | Ш               | $\dashv$             | 4        |
|  | 20       | _        | L-       |  | <del> </del>                                     | <u> </u> | Ш        | <u> </u>     |                |          |      |       | 70       | -        |          |        | -            |  | _               |          |  |       | 120      | _             |          | $\bot$ | $\perp$ | _            | Ш               | $\dashv$             | _        |
|  | 21       | <u>,</u> | L        |  | <u> </u>   | _        |          | L            | $\perp$        |          |      |       | 71       | $\sqcup$ | _ _      |        | ļ            |  | _ _             | -        | l  |       | 121      |               | $\perp$  |        | 1       | _            | Ш               |                      | _        |
|  | 22       | 7        |          |  | L.   |          |          |              |                |          |      |       | 72       |          |          |        | ╽.           | Ш  |                 | $\bot$   |  |       | 122      |               |          |        |         | _            | 1_1             | $\perp$              |          |
|  | 23       | Ц        | ┖        |  |  |          |          |              |                |          |      |       | 73       |          |          |        |              | Ш  |                 |          | ]  |       | 123      |               |          |        |         |              | <u> </u>        | $\perp \!\!\! \perp$ |          |
|  | 24       | Ц        |          |  |  |          |          |              |                |          |      |       | 74       |          |          | _      |              |  |                 |          |  |       | 124      |               |          |        | 1       |              |                 |                      |          |
|  | 25       |          |          |  |  |          |          |              |                |          |      |       | 75       |          |          |        |              |  |                 |          | 1  |       | 125      |               |          | $\neg$ | 7       |              | П               |                      |          |
|  | 26       | ı        |          |  |  |          |          |              | $\Box$         |          |      |       | 76       |          | $\neg$   |        | 1            |  |                 | $\top$   | 1  |       | 126      |               |          |        | $\top$  |              |                 |                      |          |
|  | 27       | 4        |          |  |  |          |          |              |                |          |      |       | 77       |          |          |        |              |  |                 |          |  |       | 127      |               | T        |        | $\top$  | $\vdash$     |                 | $\neg$               | $\neg$   |
|  | 28       |          |          |  |  |          |          |              |                |          |      |       | 78       |          | 1        | $\top$ |              | $\Box$   |                 |          | 1 1  | _     | 128      |               |          | 7      | +-      | $\vdash$     | $\vdash$        | _                    | $\dashv$ |
|  | 29       |          |          |  |  |          |          |              |                |          |      |       | 79       |          |          |        | 1-           | $\Box$   | 十               |          | 1 1  |       | 129      | $\neg$        | ┰        | ╅      | +-      | T            | $\Box$          | _                    | $\dashv$ |
|  | 30       |          | $\vdash$ | _  |  |          |          | $\vdash$     | 1-1            | -        |      |       | 80       | -        | $\dashv$ | +-     | +            | $\vdash$   | $\dashv$        |          | 1  |       | 130      | $\dashv$      | +        | +-     | +-      | $\vdash$     | ╁╌┧             | -                    | $\dashv$ |
| <del>                                     </del> | 31       | _        | _        |  |  |          |          | ┢            |                | -        |      |       | 81       | -        | +        | _      | +            | <del>                                     </del> |                 | +        | <b>                                     </b> |       | 131      | -             |          |        | +-      | ⊢            | $\vdash$        | $\dashv$             | $\dashv$ |
| <del>  .</del>                                   | 32       | -        |          | _  | $\vdash$   | $\vdash$ | Н        | <del> </del> | + +            |          |      |       | 82       | -        | +        | +      | ╁            | $\vdash$   | -+              | +        |  | -     | 132      | $\dashv$      | -        | -      | ╁       | ┼            | ┥               | $\dashv$             | $\dashv$ |
| H  | 33       | <u> </u> | $\vdash$ | -  | <del>                                     </del> | $\vdash$ | Н        | $\vdash$     | +-             |          |      |       |          | $\vdash$ | +        | +      | +            | $\vdash$   | +               | -        |  |       | 132      |               | +        | +-     | +       | ╁            | $\vdash \vdash$ | +                    | $\dashv$ |
| <del> </del>                                     | 34       | ⊢        | $\vdash$ | -  | -  | H        | Н        | $\vdash$     | +              |          |      |       | 83       |          | +        |        | ╁            | $\vdash$   |                 | +        |  |       | 133      | 4             |          |        | ┥—      | ├            | H               | -+-                  | $\dashv$ |
|  |          | <u> </u> | $\vdash$ | <u> </u>                                     | $\vdash$   | $\vdash$ | Н        | <u> </u>     | 1-1            | -        |      |       | 84       | $\dashv$ | +        | +      | $\vdash$     |  | +               | +        | ł  |       | 134      | -             | -        |        | -       | ├-           | $\vdash$        | $\dashv$             | $\dashv$ |
| $\vdash$   | 35       | -        | $\vdash$ | Ŀ  | $\vdash$   | $\vdash$ | Н        | ├-           | +-             |          |      |       | 85       | $\vdash$ | +        | +      | $\vdash$     |  |                 |          |  |       | 135      | $\dashv$      | $\perp$  | +      | ╄-      | <del> </del> |                 | $\dashv$             | _        |
| ├  | 36       | <u> </u> | $\vdash$ |  | <del> </del>                                     | Щ        | ш        | <u> </u>     | <b>↓</b>       |          |      | ļ     | 86       | $\dashv$ | $\perp$  | +-     | ╄            | $\sqcup$   | _               | -        |  |       | 136      | $\perp$       | $\dashv$ | 4      | +-      | ╙            | Ш               |                      | _        |
| ⊢  | 37       | L.       |          |  | _  | Щ        | Ш        | _            | $\sqcup$       |          |      |       | 87       |          | _        | _      | <del> </del> | $\sqcup$   |                 |          |  |       | 137      | $\perp$       | $\bot$   | 4      | 1_      | <u> </u>     | Ш               | $\perp$              | $\Box$   |
| <u> </u>   | 38       | L_       | _        | _  | _  | Ш        | Ш        |              | $\sqcup$       | _        |      |       | 88       |          |          |        | <u> </u>     | $\sqcup$   | _               | _ _      |  |       | 138      | $\perp$       |          |        |         | 匚            | Ш               |                      | _        |
| <u> </u>   | 39       | L        |          | <u>.                                    </u> |  | Ш        | Ш        |              | Ш              | _        |      |       | 89       |          | _        |        | <u> </u>     |  |                 |          |  |       | 139      |               |          |        |         |              | Ш               |                      | $\Box$   |
|  | 40       |          | Ш        | ٠  |  | Ш        | Ш        | L            | $oxed{oxed}$   |          |      |       | 90       |          |          | $\bot$ |              | $\sqcup$   | $\perp$         | $\perp$  |  |       | 140      |               | $\prod$  |        |         |              |                 |                      |          |
|  | 41       | L.       |          |  |  |          |          | L            |                |          |      |       | 91       |          |          |        |              |  |                 |          | [  |       | 141      | $\Box$        |          |        |         |              |                 |                      |          |
|  | 42       |          |          |  |  |          |          |              |                |          |      |       | 92       |          |          |        |              |  | [               |          |  |       | 142      | T             |          | T      | 1       |              |                 | $\neg$               | $\neg$   |
|  | 43       |          |          |  |  |          |          |              | $\Box$         |          |      |       | 93       | $\Box$   | T        | T      |              | П  | $\top$          |          |  |       | 143      | $\Box$        |          |        | 1       |              | П               | $\neg$               | $\neg$   |
|  | 44       |          |          |  |  |          |          |              | П              |          |      |       | 94       |          | $\neg$   | $\top$ | 1            | $\Box$   | $\neg$          |          |  |       | 144      |               | $\top$   | $\top$ | +-      | Т            | П               | $\top$               | $\dashv$ |
|  | 45       |          |          |  |  |          |          |              | $\Box$         | 7        |      |       | 95       |          | $\top$   | $\top$ | $\top$       | $\sqcap$   | $\neg$          | $\neg$   |  |       | 145      | _             | 十        | $\top$ | $\top$  | T            | $\vdash$        | -                    | $\neg$   |
|  | 46       |          |          |  |  |          | $\neg$   | _            | $\top$         | 7        |      |       | 96       |          | $\top$   |        | T            | $\Box$   | 十               | +        |  |       | 146      | $\dashv$      | ,        | +      | +       |              | $\vdash$        | $\dashv$             | $\dashv$ |
|  | 47       | _        | Н        | _  | П  | $\vdash$ | Н        | -            | 1-1            | -        |      |       | 97       | -        | $\dashv$ | _      | $\vdash$     | $\vdash$   | -               | $\top$   |  |       | 147      | $\dashv$      | ╫        | +      | +       | 1-           | -               | -                    | $\dashv$ |
| -  | 48       | •        | Н        |  | Н  | Н        | $\vdash$ | $\vdash$     | +              | -        |      | -     | 98       | $\dashv$ | +        | +-     | +            | +  | -+-             | +        |  |       | 148      | $\dashv$      | +        | +      | +       | -            |                 | -                    | $\dashv$ |
| $\vdash$   | 49       | -        | Н        | _  | $\vdash$   | $\vdash$ | $\dashv$ | -            | +              | -        |      |       | 99       | +        | +        | +      | +            | +  | $\dashv$        | +        |  |       |          | +             | $\dashv$ | +      | +       | ⊢            | Н               | +                    | $\dashv$ |
| $\vdash$   | 50       |          | Н        |  | $\vdash$   | Н        | $\dashv$ | <u> — </u>   | <del>   </del> |          |      |       | 400      |          | +        | +-     | +-           | $\vdash$   | -+-             | +        |  |       | 149      |               | -        | +      | +-      | ⊢            | $\vdash \vdash$ |                      | -        |
|  | _0U_     |          | لــــا   |  | لـــا  | ليسا     |          | Ц,           | ш              | :        | :::: |       | 100      |          |          | _l_    | 1            |  |                 |          | J:::::[                                      |       | 150      |               | - 1      | - 1    | 1       | I_           | I               |                      |          |